CLAIMS

1.   A method for allocating a percentage of system resources among process groups in a computer system, said computer system comprising at least one central processing unit, said at least one central processing unit combined into at least one processor set, said method comprising:

        a.   assigning each of said process groups a number of shares for each or said at least one processor set;

        b.   allocating said system resources of each of said at least one processor set to each of said process groups according to the number of shares assigned to said each of said process groups.

2.   The method of claim1, wherein said system resources of each of said at least one processor set are allocated based on a number of shares of all active groups within said each of said at least one processor set.

3.   The method of claim 1, wherein said percentage of said system resources is calculated based on a ratio of the number of shares assigned to said each of said process groups to the a number of shares of all active groups within said each of said at least one processor set.

4.   The method of claim 1, wherein each of said process groups includes only one process.

5.   A computer readable medium embodying a program for allocating a percentage of

system resources among process groups in a computer system, said computer system comprising at least one central processing unit, said at least one central processing unit combined into at least one processor set, said program comprising:

  a.   assigning each of said process groups a number of shares for each or said at least one processor set;

  b.   allocating said system resources of each of said at least one processor set to each of said process groups according to the number of shares assigned to said each of said process groups.

6.   The computer readable medium of claim 5, wherein said system resources of each of said at least one processor set are allocated based on a number of shares of all active groups within said each of said at least one processor set.

7.   The computer readable medium of claim 5, wherein said percentage of said system resources is calculated based on a ratio of the number of shares assigned to said each of said process groups to the a number of shares of all active groups within said each of said at least one processor set.

8.   The computer readable medium of claim 5, wherein each of said process groups includes only one process.

9.   A computer system comprising at least a central processing unit and a memory, said

memory storing a program for allocating a percentage of system resources among process groups in a computer system, said computer system comprising at least one central processing unit, said at least one central processing unit combined into at least one processor set, said method comprising:

a.   assigning each of said process groups a number of shares for each or said at least one processor set;

b.   allocating said system resources of each of said at least one processor set to each of said process groups according to the number of shares assigned to said each of said process groups.

10.   The computer system of claim 9, wherein said system resources of each of said at least one processor set are allocated based on a number of shares of all active groups within said each of said at least one processor set.

11.   The computer system of claim 9, wherein said percentage of said system resources is calculated based on a ratio of the number of shares assigned to said each of said process groups to the a number of shares of all active groups within said each of said at least one processor set.

12.   The computer system of claim 9, wherein each of said process groups includes only one process.